

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	(Form PCT/ISA/220) as well as where applicable, item 5 below				
N.77933A JCI	ACTION				
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)			
PCT/GB 00/03760	02/10/2000	01/10/1999			
Applicant					
ISIS INNOVATION LIMITED					
This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.					
	This International Search Report consists of a total of6sheets. It is also accompanied by a copy of each prior art document cited in this report.				
Basis of the report					
 a. With regard to the language, the language in which it was filed, unl 	international search was carried out on the bases otherwise indicated under this item.	sis of the international application in the			
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	he international application furnished to this			
b. With regard to any nucleotide an was carried out on the basis of the contained in the internation	b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:				
1 =	rnational application in computer readable form	n.			
1 ==	this Authority in written form.				
	this Authority in computer readble form.				
the statement that the sub international application a	esequently furnished written sequence listing des sfiled has been furnished.	oes not go beyond the disclosure in the			
the statement that the info furnished	the statement that the information recorded in computer readable form is identical to the written sequence listing has been				
2. X Certain claims were fou	nd unsearchable (See Box I).				
3. Unity of invention is lac	3. Unity of invention is lacking (see Box II).				
4. With regard to the title ,					
the text is approved as submitted by the applicant.					
X the text has been established by this Authority to read as follows:					
DIAGNOSIS OF COELIAC DISEASE USING A GLIADIN EPITOPE					
5. With regard to the abstract,					
the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.					
6. The figure of the drawings to be publ		1			
as suggested by the appli	cant.	None of the figures.			
because the applicant fail	ed to suggest a figure.				
because this figure better	characterizes the invention.				

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claim(s) 5 and 40 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

And although claims 41 and 42 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Continuation of Box I.1

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy
Rule 39.1(iv) PCT - Diagnostic method practised on the human or animal body





A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01N33/68 C07K14/415 A61P37/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-601N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

MEDLINE, CHEM ABS Data, BIOSIS, EMBASE, EPO-Internal, WPI Data, PAJ

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	O'KEEFFE J ET AL: "T cell proliferation, MHC class II restriction and cytokine products of gliadin-stimulated peripheral blood mononuclear cells (PBMC)." CLINICAL AND EXPERIMENTAL IMMUNOLOGY, vol. 117, no. 2, August 1999 (1999-08), pages 269-276, XP000989621 ISSN: 0009-9104 the whole document	1-3, 6-12, 22-26,37
X	EP 0 905 518 A (UNIV LEIDEN ;ACADEMISCH ZIEKENHUIS LEIDEN (NL)) 31 March 1999 (1999-03-31) the whole document/	12, 14-22, 25-59

Y Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 "T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&* document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
2 March 2001	28/03/2001
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Gundlach, B

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
X	VAN DE WAL YVONNE ET AL: "Small intestinal T cells of celiac disease patients recognize a natural pepsin fragment of gliadin." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 95, no. 17, 18 August 1998 (1998-08-18), pages 10050-10054, XP000982626 Aug. 18, 1998 ISSN: 0027-8424 the whole document	1-3, 6-12, 22-26,37
X	TRONCONE R ET AL: "Cytokines produced by gliadin-specific T cell clones from the coeliac mucosa." GASTROENTEROLOGY, vol. 110, no. 4 SUPPL., April 1996 (1996-04), page A1031 XP000989625 96th Annual Meeting of the American Gastroenterological Association and the Digestive Disease Week; San Francisco, California, USA; May 19-22, 1996 ISSN: 0016-5085 abstract	1-3, 6-12, 22-26,37
X	GODKIN A J ET AL: "Identification of a coeliac disease-specific T cell epitope from A-gliadin." GUT, vol. 44, no. SUPPL. 1, April 1999 (1999-04), page A72 XP000989626 British Society of Gastroenterology Annual Meeting; Glasgow, Scotland, UK; March 23-25, 1999 ISSN: 0017-5749 abstract	1-3, 6-12, 22-26,37
A	OKITA T W ET AL: "EVOLUTION AND HETEROGENEITY OF THE ALPHA-BETA-TYPE AND GAMMA-TYPE GLIADIN DNA SEQUENCES" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 260, no. 13, 1985, pages 8203-8213, XP000982597 ISSN: 0021-9258 the whole document -& DATABASE SWISSPROT 'Online! ID: GDA4_Wheat ACC: P04724, 13 August 1987 (1987-08-13) XP002161985 abstract	38-59



		FC1/4B 00/03/60	
C.(Continua Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Industrial Marketine	
Calegory	oration of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
X	UHLIG H ET AL: "Role of tissue transglutaminase in gliadin binding to reticular extracellular matrix and relation to coeliac disease autoantibodies." AUTOIMMUNITY, (1998) 28 (4) 185-95., XP002118954 page 186, left-hand column, paragraph 2	13	
Ρ,Χ	ANDERSON ROBERT P ET AL: "In vivo antigen challenge in celiac disease identifies a single transglutaminase-modified peptide as the dominant A-gliadin T-cell epitope." NATURE MEDICINE, vol. 6, no. 3, March 2000 (2000-03), pages 337-342, XP000982628 ISSN: 1078-8956 the whole document	1-34,37	
P,X	ARENTZ-HANSEN, HELENE ET AL: "The intestinal T cell response to alpha-gliadin in adult celiac disease is focused on a single deamidated glutamine targeted by tissue transglutaminase" J. EXP. MED., vol. 191, no. 4, 21 February 2000 (2000-02-21), pages 603-612, XP000986723 the whole document	1-34,37	

Information on patent family members

Ational Application No
PCT/GB 00/03760

Pa cited	atent document d in search report		Publication date	Patent family member(s)	Publication date
EP	0905518	Α	31-03-1999	NONE	
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